

Application Number : 10/611,783 Confirmation Number: 1898  
Applicant : Wade L. Hennessey  
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Examiner : Swearingen, Jeffrey R.  
  
Docket Number : KON03-0003  
Customer No. : 22835

Proposed Amendment and Interview Agenda  
Via fax to (571) 273-3921

**PROPOSED AMENDMENT AND INTERVIEW AGENDA**

Dear Examiner Swearingen,

Please find my updated proposed amendment and interview agenda for our interview today at 1:30pm Eastern Time.

**Identification of Claims and Reference To Be Discussed**

Claim for discussion: Claim 1

References for discussion: McCanne (US 6,785,704), and Lahr (US 7,013,322)

**Applicant's Arguments**

In embodiments of the present invention, arenas are administrative units that are collections of nodes **defined by an administrator**. (*See* Instant Application at paragraphs [0038]-[0039] and [0117]). The disclosed system allows an administrator to explicitly establish peering policies for a content delivery network by allowing the administrator to define a list of arenas. The administrator may use its **knowledge about network topology** in defining the arena. (*See id.* at paragraphs [0008]-[0011]).

By contrast, the CDN (content distribution network) of McCanne is not defined by a system administrator using knowledge about network topology.

AW Amendment H KON03-0003 (Proposed Amendment) -- AW.doc.doc

Rather, the conventional peering relationship within a CDN is ignorant of network topology. Therefore, Applicant respectfully submits that McCanne fails to disclose the recited limitations of “*wherein the arena is used to establish a peering policy and is defined by a system administrator using knowledge about network topology*” in the amended claim 1. In addition, Applicant finds no disclosure of an arena defined by a system administrator using network topology knowledge in Lahr either.

**Proposed Amendment:**

- 1 1. (Currently Amended) A method for optimizing traffic on a distributed
- 2 content delivery network, comprising:
- 3 receiving a request for content from a client at a directory server;
- 4 determining if the client is a member of an arena, wherein the arena is used
- 5 to establish a peering policy and is defined by a system administrator using
- 6 knowledge about network topology in a list of arenas, wherein an arena is a
- 7 specified set of nodes on a network and at least one arena has a plurality of nodes;
- 8 and
- 9 if the client is responsive to the client being a member of the arena,
- 10 applying routing rules associated with the arena to the delivery of deliver the
- 11 requested content to the client,
- 12 wherein the routing rules correspond to the arena;
- 13 wherein the routing rules involve comprise at least one or more of
- 14 the following:
- 15 directing the client to available peers with a copy of the
- 16 requested content within one of a set of match sets a first match set
- 17 for the requested content, wherein a match set is a set of network
- 18 devices as defined by a system administrator;

19                   ~~when there are~~responsive to no peers being available with a  
20                   ~~copy~~the copy of the requested content in the first match set,  
21                   ~~automatically~~ directing the client to a next-second match set ~~in the~~  
22                   ~~set of match sets~~; and  
23                   ~~directing the peer~~ the client to the origin server; ~~;~~  
24                   ~~wherein the order of precedence in which the client is directed to~~  
25                   ~~nodes within a match set, to a next match set, as well as to the origin~~  
26                   ~~server in the routing rules is specified in the routing rules corresponding to~~  
27                   ~~each arena.~~

Respectfully submitted,

By /Ying Wang/  
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